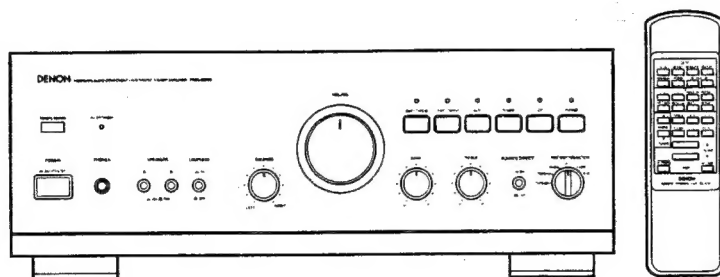


# DENON

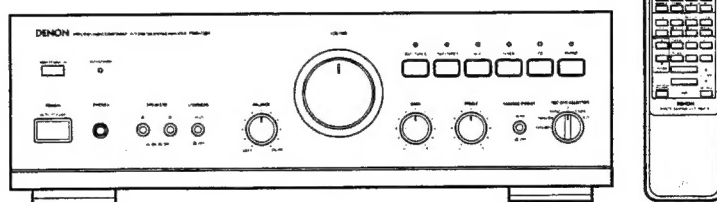
Hi-Fi Integrated Stereo Amplifier

## MODEL PMA-925R/725R

### INTEGRATED STEREO AMPLIFIER



PMA-925R



PMA-725R

## NIPPON COLUMBIA CO., LTD.



## CAUTION

**RISK OF ELECTRIC SHOCK  
DO NOT OPEN**



**CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.**



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

**WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.**

### ● FOR U.S.A. & CANADA MODEL ONLY

#### CAUTION

TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

### ● POUR LE MODELE CANADIEN UNIQUEMENT

#### ATTENTION

POUR PREVENIR LES CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR, UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.

### ● DECLARATION OF CONFORMITY

We declare under our sole responsibility that the product premain Amplifier PMA-925R/725R to which this declaration relates is in conformity with the following standards:

EN55013, EN55020, EN60555-2 and EN60555-3

### ● ÜBEREINSTIMMUNGSERKLÄRUNG

Wir erklären unter unserer Verantwortung, daß das Produkt Vor-Hauptverstärker PMA-925R/725R, auf das sich diese Erklärung bezieht, den folgenden Standards entspricht:

EN55013, EN55020, EN60555-2 und EN60555-3.

### ● DECLARATION DE CONFORMITE

Nous déclarons sur notre seule responsabilité que l'appareil Amplificateur PMA-925R/725R auquel se réfère cette déclaration est conforme aux standards suivants:

EN55013, EN55020, EN60555-2 et EN60555-3.

### ● DICHIARAZIONE DI CONFORMITÀ

Dichiaro con piena responsabilità che il prodotto amplificatore di precedenza PMA-925R/725R, al quale questa dichiarazione si riferisce, è conforme alle seguenti normative:

EN55013, EN55020, EN60555-2 e EN60555-3.

### ● DECLARACIÓN DE CONFORMIDAD

Declaramos bajo nuestra única responsabilidad que el producto precedente, el Amplificador PMA-925R/725R, al que esta declaración hace referencia, es conforme con los siguientes estándares:

EN55013, EN55020, EN60555-2 y EN60555-3.

### ● EENVORMIGHEIDSVERKLARING

Wij verklaren uitsluitend op onze verantwoordelijkheid dat het produkt waarop deze verklaring betrekking heeft, de voorversterker PMA-925R/725R, in overeenstemming is met de volgende normen:

EN55013, EN55020, EN60555-2 en EN60555-3.

### ● ÖVERENSSTÄMMELSEINTYG

Härmed intygas helt på eget ansvar att produkten, för förstärkare / slutsteg PMA-925R/725R, vilken detta intyg hänvisar till uppfyller följande standarder:

EN55013, EN55020, EN60555-2 och EN60555-3.

### ● DECLARAÇÃO DE CONFORMIDADE

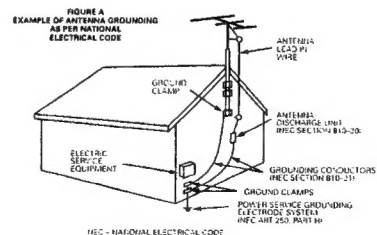
Declaramos sob nossa exclusiva responsabilidade que o produto pre Amplificador Principal PMA-925R/725R ao qual esta declaração corresponde, está em conformidade com as seguintes normas:

EN55013, EN55020, EN60555-2 e EN60555-3.

## ● FOR U.S.A. MODEL ONLY

## SAFETY INSTRUCTIONS

1. Read Instructions – All the safety and operating instructions should be read before the appliance is operated.
2. Retain Instructions – The safety and operating instructions should be retained for future reference.
3. Heed Warnings – All warnings on the appliance and in the operating instructions should be adhered to.
4. Follow Instructions – All operating and use instructions should be followed.
5. Water and Moisture – The appliance should not be used near water – for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, and the like.
6. Carts and Stands – The appliance should be used only with a cart or stand that is recommended by the manufacturer.
- 6A. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.
7. Wall or Ceiling Mounting – The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
8. Ventilation – The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
9. Heat – The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
10. Power Sources – The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
11. Grounding or Polarization – Precautions should be taken so that the grounding or polarization means of an appliance is not defeated.
12. Power-Cord Protection – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
14. Cleaning – The appliance should be cleaned only as recommended by the manufacturer.
15. Power Lines – An outdoor antenna should be located away from power lines.
16. Outdoor Antenna Grounding – If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna-discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure A.
17. Nonuse Periods – The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
18. Object and Liquid Entry – Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
19. Damage Requiring Service – The appliance should be serviced by qualified service personnel when:
  - A. The power-supply cord or the plug has been damaged; or
  - B. Objects have fallen, or liquid has been spilled into the appliance; or
  - C. The appliance has been exposed to rain; or
  - D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
  - E. The appliance has been dropped, or the enclosure damaged.
20. Servicing – The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.



#### NOTE:

1. Always keep the POWER switch on the main unit turned on.
2. Turn the power on and off from the remote control unit.
3. Unplug the power cord when you do not plan to use the unit for a long period of time.

#### CAUTION:

If only the MUTE/STANDBY LED is lit, this means that the power is turned off from the remote control unit. Turn the power on from the remote control unit.

#### HINWEIS:

1. Lassen Sie den Netzschalter (POWER) am Hauptgerät stets eingeschaltet.
2. Schalten Sie den Strom mit dem Fernbedienungsgerät ein- und aus.
3. Trennen Sie das Netzkabel vom Netz ab, wenn Sie beabsichtigen, das Gerät über einen längeren Zeitraum hinweg nicht zu benutzen.

#### VORSICHT:

Wenn nur das Stumm-/Bereitschafts-LED (MUTE/STANDBY) leuchtet, so bedeutet dies, daß der Strom vom Fernbedienungsgerät aus ausgeschaltet worden ist. Schalten Sie den Strom vom Fernbedienungsgerät aus ein.

#### REMARQUE:

1. S'assurer que le commutateur d'alimentation (POWER) sur l'unité principale soit toujours dans la position active.
2. Allumer et éteindre l'appareil avec la télécommande.
3. Débrancher le cordon d'alimentation lorsque l'appareil ne sera pas utilisé pendant une longue période.

#### ATTENTION:

Si seul le témoin (LED) de sourdine/veille (MUTE/STANDBY) est allumé, cela signifie que l'appareil est mis hors circuit par la télécommande. Allumer l'appareil avec la télécommande.

#### NOTA:

1. Tenere sempre l'interruttore della corrente (POWER) dell'unità principale nella posizione di attivazione.
2. Accendere e spegnere la corrente usando il telecomando.
3. Scollegare il filo di alimentazione quando avete intenzione di non usare l'apparecchio per un lungo periodo.

#### AVVERTENZE:

Se sono illuminati solo i LED di attenuazione/attesa (MUTE/STANDBY), questo significa che la corrente è stata spenta con il telecomando. Riaccendete la corrente usando il telecomando.

#### PRECAUTIONS FOR INSTALLATION

Leave at least 10cm of space between this unit and any other component placed above.

#### SICHERHEITSMASSNAHMEN BEIM EINBAU

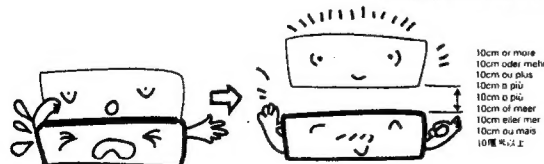
Lassen einen Mindestabstand von 10 cm zwischen diesem Gerät und der anderen Komponente, die daraufgestellt wird.

#### PRECAUTIONS D'INSTALLATION

Prévoir un espace d'au moins 10cm entre l'unité et tout autre appareil se trouvant au-dessus.

#### PRECAUZIONI PER L'INSTALLAZIONE

Lasciate uno spazio libero di almeno 10 cm fra quest'unità e qualsiasi altro componente che è collocato sopra la stessa.



#### NOTA:

1. Mantenga siempre activado el interruptor de alimentación (POWER) en la unidad principal.
2. Encienda y apague el equipo desde la unidad de control remoto.
3. Cuando la unidad vaya a estar fuera de uso por un periodo prolongado de tiempo, desconecte el cable de alimentación.

#### PRECAUCION:

Cuando solo el indicador LED de silenciamiento/modo de espera (MUTE/STANDBY) esté encendido, significará que la alimentación a la unidad ha sido desconectada desde la unidad de control remoto. Conecte la alimentación desde la unidad de control remoto.

#### OPMERKING:

1. Zorg er altijd voor dat de stroomschakelaar (POWER) van het hoofdtoestel in de ingeschakelde stand staat.
2. Schakel de stroom in en uit m.b.v. de afstandsbediening.
3. Trek het netsnoer uit wanneer u denkt het toestel gedurende een lange periode niet te gebruiken.

#### WAARSCHUWING:

Indien enkel de demping-/MUTE/STANDBY LED brandt, betekent dit dat de spanning met de afstandsbediening is uitgeschakeld. Schakel de spanning in met de afstandsbediening.

#### OBSEVERA:

1. Låt alltid strömbrytaren (POWER) på huvudentheten vara påslagen.
2. Slå till/från strömmen med hjälp av fjärrkontrollen.
3. Koppla loss nätkabeln om apparaten inte skall användas under lång tid.

#### VARNING:

Om endast MUTE/STANDBY-lampen lyser betyder det att strömmen har stängts av via fjärrkontrollen. Strömmen måste då slås på via fjärrkontrollen igen.

#### NOTA:

1. Mantenha o interruptor da Corrente (POWER) na unidade principal sempre ligado.
2. Ligue e desligue a corrente a partir da unidade de controle remoto.
3. Desconecte o fio de força quando intenciar não utilizar a unidade por longo tempo.

#### CAUTELA:

Se apenas se iluminar o LED de surdina/espera (MUTE/STANDBY), isto significa que a força se desligou a partir do controle remoto. Ligue a força a partir do controle remoto.

#### 註:

1. 主機上的POWER (電源) 須一直保持接通。
2. 由遙控器操縱電源之開和關。
3. 本機打算長時間不用時應將電源接線拔下。

#### 注意:

若只有MUTE/STANDBY LED指示燈亮,就表示電源已由遙控器關閉。應從遙控器開啟電源。

#### PRECAUCIONES PARA LA INSTALACION

Deje por lo menos 10 cm. de espacio entre esta unidad y cualquier otro componente situado sobre ella.

#### VOORZORGSMAATREGELEN

Bij plaatsing dient u een ruimte van minstens 10 cm open te laten tussen dit toestel en een ander erop geplaatst component.

#### FÖRSIKTIGHETSÅTGÄRDER VID INSTALLATIONEN

Se till att det finns minst 10 cm mellanrum mellan apparaten och en ev. annan apparat som ställs ovanpå.

#### CUIDADOS NA INSTALAÇÃO

Deixe um espaço de pelo menos 10 cm entre esta unidade e qualquer outro componente colocado acima.

#### 安裝注意

本機須與其上方擺置的其它音響設備相隔至少10厘米。

### NOTE ON USE / HINWEISE ZUM GEBRAUCH / OBSERVATIONS RELATIVES A L'UTILISATION NOTE SULL'USO / NOTAS SOBRE EL USO / ALVORENS TE GEBRUIKEN / OBSERVERA OBSERVAÇÕES QUANTO AO USO



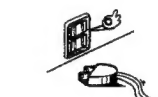
- Avoid high temperatures. Allow for sufficient heat dispersion when installed on a rack.
- Vermeiden Sie hohe Temperaturen. Beachten Sie, daß eine ausreichende Luftzirkulation gewährleistet wird, wenn das Gerät auf ein Regal gestellt wird.
- Éviter des températures élevées. Tenir compte d'une dispersion de chaleur suffisante lors de l'installation sur une étagère.
- Evitare alte temperature. Permettere la sufficiente dispersione del calore quando installato in un mobile per componenti audio.
- Evite altas temperaturas. Permita la suficiente dispersão de calor quando está instalado em uma prateleira.
- Vermijd hoge temperaturen. Zorg voor een degelijk hitteafvoer indien het apparaat op een rek wordt geplaatst.
- Undvik höga temperaturer. Se till att det finns möjlighet till god värmeledning vid montering i ett rack.
- Evite temperaturas altas. Conceda suficiente dispersão de calor quando o equipamento for instalado numa prateleira.



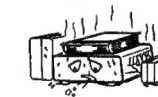
- Handle the power cord carefully. Hold the plug when unplugging the cord.
- Gehen Sie vorsichtig mit dem Netzkabel um. Halten Sie das Kabel am Stecker, wenn Sie den Stecker heraus ziehen.
- Manipuler le cordon d'alimentation avec précaution. Tenez la prise lors du débranchement du cordon.
- Maneggiare il filo di alimentazione con cura. Agire per la spina quando scollegare il cavo dalla presa.
- Manipule o cabo de energia com cuidado. Sustente a enclipe quando desconectar o cordão de energia.
- Hanteer het netsnoer voorzichtig. Houd het snoer bij de stekker vast wanneer deze moet worden aan- of losgekoppeld.
- Hantera nätkabeln varsamt. Håll i kablens när den kopplas från uttaget.
- Manuseie com cuidado o fio condutor de energia. Segure a tomada ao desconectar o fio.



- Keep the set free from moisture, water, and dust.
- Halten Sie das Gerät von Feuchtigkeit, Wasser und Staub fern.
- Protéger l'appareil contre l'humidité, l'eau et la poussière.
- Tenete l'unità lontana da l'umidità, dall'acqua e dalla polvere.
- Mantenga el equipo libre de humedad, agua y polvo.
- Laat geen vochtigheid, water of stof in het apparaat binnendringen.
- Utsätt inte apparaten för fukt, vatten och damm.
- Mantenha o aparelho livre de qualquer umidade, água ou poeira.



- Unplug the power cord when not using the set for long periods of time.
- Wenn das Gerät nie längere Zeit nicht verwendet werden soll, trennen Sie das Netzkabel vom Netzstecker.
- Débrancher le cordon d'alimentation lorsque l'appareil n'est pas utilisé pendant de longues périodes.
- Disinnestare il filo di alimentazione quando avete l'intenzione di non usare il filo di alimentazione per un lungo periodo di tempo.
- Desconecte el cordón de energía cuando no utilice el equipo por mucho tiempo.
- Neem altijd het netsnoer uit het stopcontact wanneer het apparaat gedurende een lange periode niet wordt gebruikt.
- Koppla ur nätkabeln om apparaten inte kommer att användas i lång tid.
- Desligue o fio condutor de força quando o aparelho não tiver que ser usado por um longo período.



\*For sets with ventilation holes

- Do not obstruct the ventilation holes.
- Die Belüftungöffnungen dürfen nicht verdeckt werden.
- Ne pas obstruer les trous d'aération.
- Non coprire i fori di ventilazione.
- No obstruya los orificios de ventilación.
- De ventilatieopeningen mogen niet worden afgekleefd.
- Täpp inte till vent. anslutningsarna.
- Não obstrua os orifícios de ventilação.



- Do not let foreign objects in the set.
- Keine fremden Gegenstände in das Gerät kommen lassen.
- Ne pas laisser des objets étrangers dans l'appareil.
- E' importante che nessun oggetto è inserito all'interno dell'unità.
- No dejes objetos extraños dentro del equipo.
- Laat geen vreemde voorwerpen in dit apparaat vallen.
- Se till att föremål inte tränger in i apparaten.
- Não deixe objetos estranhos no aparelho.

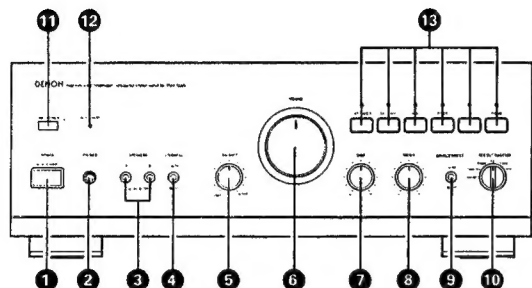


- Do not let insecticides, benzene, and thinner come in contact with the set.
- Lassen Sie das Gerät nicht mit Insektiziden, Benzin oder Verdünnungsmitteln in Berührung kommen.
- Ne pas mettre en contact des insecticides, du benzène et un diluant avec l'appareil.
- Assicuratevi che l'unità non venga in contatto con insetticidi, benzolo o solventi.
- No permita el contacto de insecticidas, gasolina y diluyentes con el equipo.
- Laat geen insectenverdelgende middelen, benzine of verdundingmiddel met dit apparaat in contact komen.
- Se till att insektsmedel på spraybruk, bensin och thinner kommer i kontakt med apparatens hölje.
- Não permita que inseticidas, benzina e dissolvente entrem em contacto com o aparelho.



- Never disassemble or modify the set in any way.
- Versuchen Sie niemals das Gerät auseinander zu nehmen oder auf jegliche Art zu verändern.
- Ne jamais démonter ou modifier l'appareil d'une manière ou d'une autre.
- Non smontare mai, né modificare l'unità in nessun modo.
- Nunca desarme o modifique el equipo de ninguna manera.
- Noodt dit apparaat demonteren of op andere wijze modifieren.
- Ta inte isär apparaten och försök inte bygga om den.
- Nunca desmonte ou modifique o aparelho de alguma forma.

FRONT PANEL  
FRONTPLATTE  
PANNEAU AVANT  
PANNELLO ANTERIORE  
正面



REAR PANEL  
RÜCKWAND  
PANNEAU ARRIERE  
PANNELLO POSTERIORE  
背面

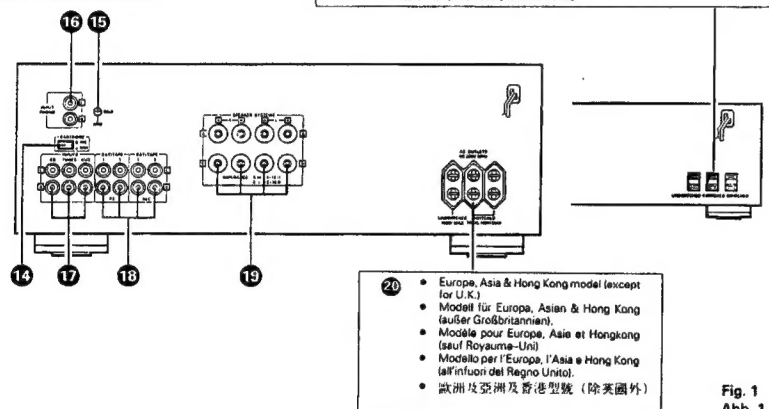
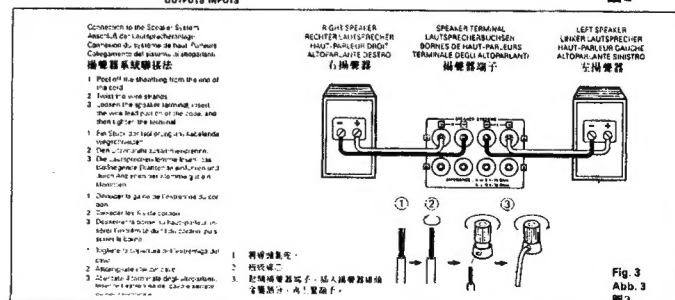
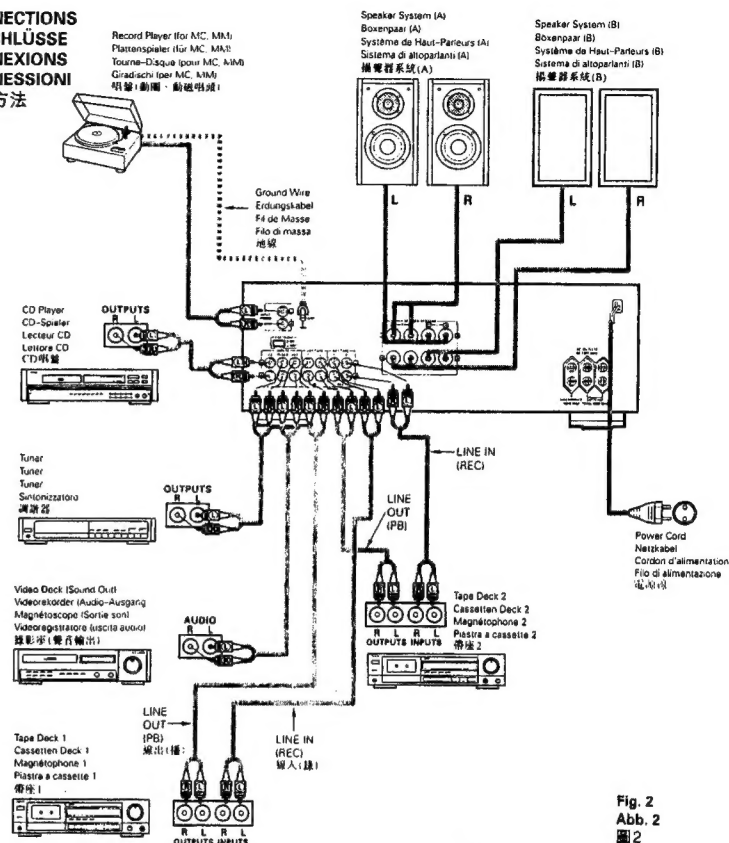


Fig. 1  
Abb. 1  
圖 1

17 CARTRIDGE	18 GND	19 PHONO	20 CD, TUNER, AUX	21 DAT/TAPE-1, DAT/TAPE-2 • TAPE PB • TAPE REC	22 SPEAKERS
Cartridge Selector Switch	GND	Phono Input Terminals (Phono)	Input Terminals (CD, TUNER, AUX)	Playback and Recording Terminals • Playback Terminals • Recording Terminals	Speaker Terminals
Tonabnehmer-Vaehschalter	GND	Schallplatten-Spieler-Eingangsbuchsen (Phono)	Eingangsbuchsen (CD, TUNER, AUX)	Tonband-Ein/Ausgänge • Wiedergabe • Aufnahme	Lautsprecher-Klemmen
Sélecteur de cassette	GND	Bornes d'entrée (Phono)	Bornes d'entrée (CD, TUNER, AUX)	Bornes de lecture et d'enregistrement • Bornes de lecture • Bornes d'enregistrement	Bornes de haut-parleurs
Interruttore di selezione cassette	GND	Terminali di ingresso Phono	Terminali di ingresso (CD, TUNER, AUX)	Terminali di riproduzione • Terminali di registrazione	Terminali degli altoparlanti
卡匣選擇器	接地	唱盤輸入端子 (Phono)	輸入端子 (CD, TUNER, AUX)	播放與錄音端子 - 播放端子 - 錄音端子	揚聲器端子

CONNECTIONS  
ANSCHLÜSSE  
CONNEXIONS  
CONNESSIONI  
連接方法



## DESIGNATIONS AND FUNCTIONS OF PANEL CONTROLS

- 1 POWER (Power Switch)**  
When the power switch is turned ON (▲), the MUTE/STANDBY LED lights.  
When the power switch is turned ON, power is supplied to the unit. It takes a few seconds after the power is turned on for the unit to warm up. This is due to the built-in muting circuit that eliminates noise during the on/off operation.
- 2 PHONES (Headphone Jack)**  
This jack is used to plug in the headphones.
- 3 SPEAKERS (Speaker Selection Switch)**  
The PMA-925R/725R can be connected to two speaker systems: speaker system A and speaker system B.  
When A is pressed, the speaker system connected to speaker output terminals A operates.  
When B is pressed, the speaker system connected to speaker output terminals B operates.  
When A and B are pressed on together, both speaker systems operate simultaneously. When the A and B switches are both off (in the out position), there is no output from the speaker terminals. This setting is used to listen to playback through the headphones.
- 4 LOUDNESS (Loudness Switch)**  
When the volume is low, it is difficult for the human ear to clearly distinguish notes in the low and high frequency ranges. The loudness switch allows a simple "one-touch" correction of this difficulty. Press the loudness switch ON (▲) when listening to music at a low volume. The low notes and high notes will be corrected to produce a natural sound.
- 5 BALANCE (Balance Control)**  
This knob is used to adjust the balance between the left and right channels. When it is set to the center position, the amplitude of the amplifier is equal on both sides. If there is a difference in the left and right channel output voltages for a cartridge, move the knob to the left and the right to adjust it. If the volume on the right side is too low, turn the knob to the right (↗). If the volume on the left side is too low, turn the knob to the left (↖). This will achieve an even balance on the left and right sides.
- 6 VOLUME (Volume Control)**  
This knob controls the overall volume level.  
Turn the knob to the right (↗) to raise the volume and to the left (↖) to lower it.
- 7 BASS (Bass Control)**  
This knob is used to control the bass quality of the sound.  
When the knob is set at the center position, the frequency characteristics are flattened in the range below 1000 Hz. The bass is emphasized as the knob is moved off center to the right (↗), and reduced as it is moved to the left (↖).  
When volume control is set to the right of the center position, the effect of the other controls is reduced.
- 8 TREBLE (Treble Control)**  
This knob is used to control the treble quality of the sound.  
When the knob is set at the center position, the frequency characteristics are flattened in the range above 1000 Hz. The treble is emphasized as the knob is moved off center to the right (↗), and reduced as it is moved to the left (↖).  
When volume control is set to the right of the center position, the effect of the other controls is reduced.

- 9 SOURCE DIRECT (Source Direct Switch)**  
The controls (BALANCE, LOUDNESS, and TONE) can be used when this switch is in the OFF (▲) position.  
When set to the ON (▲) position, the above controls are bypassed and the signals are input directly to the volume control circuit, providing high quality sound.
- 10 REC OUT SELECTOR (Rec Out Select Switch)**  
Use this switch to select the recording component.  
  - PHONO: Used to recording from the turntable.
  - CD: Used to recording from the CD player.
  - TUNER: Used to recording from the tuner.
  - AUX: Used to recording component that connected to the AUX terminal.
  - DAT/TAPE-1 ► 2: Used to recording from the tape deck connected to the DAT/TAPE-1 jacks.
  - DAT/TAPE-2 ► 1: Used to recording from the tape deck connected to the DAT/TAPE-2 jacks.
- 11 REMOTE SENSOR (Remote Control Sensor)**  
This sensor receives the infra-red light transmitted from the wireless remote control unit.  
For remote control, point the wireless remote control unit towards the sensor.
- 12 MUTE/STANDBY LED**  
This LED flashes while the muting circuit is activated when the power is turned on and when muting is turned on from the remote control unit, and remains lit (without flashing) while the power is on.
- 13 INPUT SELECTOR (Input Select Switch)**  
Use these to select the program source.  
When the button for the desired program source is selected, its LED lights. One program source only can be selected at a time, as follows:
  - PHONO: Used to select the output from a turntable that is connected to the PHONO terminal. Use the PHONO switch (Rear Panel Side) to switch the sensitivity to correspond to the cartridge type being used.
  - CD: Used to listen a compact disc player or other component that is connected to the CD terminal.
  - TUNER: Used to play a component such as an FM/AM tuner or a TV tuner that is connected to the TUNER terminal.
  - AUX: Used to play a component such as a Hi-Fi video player, TV tuner, 8-track tape player or tape deck that is connected to the AUX terminal.
  - DAT/TAPE-1: Use this Position when using the tape deck, etc., connected to the DAT/TAPE-1 jacks.
  - DAT/TAPE-2: Use this Position when using the tape deck, etc., connected to the DAT/TAPE-2 jacks.

- 14 PHONO (Cartridge Selection Switch): Rear Panel Side**  
This switch is set according to the type of player cartridge to be used.
  - MC (▲): Used when an MC (moving-coil) cartridge with an output of less than 0.5 mV is used.
  - MM (▲): Used when an MM (moving-magnet) cartridge with an output of 2 mV or more is used.
- 20 AC OUTLETS: Rear Panel Side**
  - For U.S.A., Canada, and Taiwan R.O.C. models.  
AC outlets are used for connecting amplifier component units, such as tuner, turntable, tape deck, etc.
    - SWITCHED (Total capacity: 120 W):  
These outlets are turned ON/OFF when main power switch and POWER button on the Remote Control Unit is turned on/off.
    - UNSWITCHED (Capacity: 240 W)  
This outlet is always ON whether power switch is on or OFF.
  - For Europe (except the U.K.), Asia and Hong Kong models.  
AC outlets are used for connecting amplifier component units, such as tuner, turntable, tape deck, etc.
    - SWITCHED (Total capacity: 100 W):  
These outlets are turned ON/OFF when main power switch and POWER button on the Remote Control Unit is turned on/off.
    - UNSWITCHED (Capacity: 100 W)  
This outlet is always ON whether power switch is on or OFF.

## OPERATION

### PREPARATION

#### 1. CHECKING CONNECTIONS

- Make sure that all the connections are proper by referring to the back panel. (Fig. 2, 3)
- Check the polarity (positive and negative) of connections, and the directivity of stereo separation (right cord to right channel terminal, and left cord to left channel terminal).
- Check the directivity of pin cord connection.

#### 2. SETTING OF EACH KNOB

- Turn the volume control knob counterclockwise, to "0".
- Set the rotary knob to "flat".
- Set SOURCE DIRECT and LOUDNESS to "OFF (▲)".

After checking the above items, turn on the power, the amplifier is set in the ready mode in a few seconds.

### PLAYING A RECORD

1. Set the INPUT SELECTOR switch to "PHONO".
2. Operate the turntable and play the record.
3. Turn the volume and tone controls to yield an appropriate volume and sound quality.

### PLAYBACK OF CD PLAYER

1. Set the INPUT SELECTOR switch to "CD".
2. Operate the CD player.
3. Turn the volume and tone controls to yield an appropriate volume and sound quality.

### RECEPTION OF RADIO PROGRAMS

1. Set the INPUT SELECTOR switch to "TUNER".
2. Operate the tuner to receive a radio program.
3. Turn the volume and tone controls to yield an appropriate volume and sound quality.

### CONNECTIONS OF AUDIO EQUIPMENT TO AUX TERMINALS

1. Set the INPUT SELECTOR switch to "AUX" Position.
2. Operate the Audio equipment Systems.
3. Turn the volume and tone controls to yield an appropriate volume and sound quality.

### PLAYBACK WITH TAPE DECK

1. Set the INPUT SELECTOR switch to "DAT/TAPE-1" or "DAT/TAPE-2".
2. Operate the Tape Deck.
3. Turn the volume and tone controls to yield an appropriate volume and sound quality.

### RECORDING WITH TAPE DECK

1. Set the REC OUT SELECTOR to the program source you wish to record.
  2. Start the playback of the program source.
  3. Start recording with the component connected to "DAT/TAPE-1" or "DAT/TAPE-2".
- In the PMA-925R/725R, the REC OUT signal and the speaker (headphone) signal are output via separate circuits so that knobs and switches related to the tone and volume have no effect whatsoever on the sound that is recorded. Also, since the recording function is selected by the REC OUT SELECTOR, the free program source can be played through the speakers (or headphones) even during recording.

### MONITORING THE RECORDING

A recording in progress can be monitored if a tape deck with three individual heads for recording and playback is used. A tape deck in which a common head is used for both recording and playback cannot be used to monitor recording. When a recording is being made using DAT/TAPE-1, selecting DAT/TAPE-1 with the INPUT SELECTOR will engage the RECORDING MONITOR and permit a check of the recording condition.

### CAUTION

#### Protective Circuit

This set is equipped with a high speed protective circuit. This circuit protects the internal circuitry from damage due to large currents flowing when the speaker jacks are not completely connected or when an output is generated by a short circuit. This protective circuit's operation cuts off the output to the speakers. In such a case, be sure to turn the power to the set off and check the connections to the speakers. Then turn the power on again. After muting for several seconds, the set will operate normally.

### NOTE

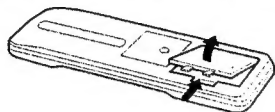
- This amplifier has a full memory back-up system. When the power is turned on, INPUT SELECTOR is set to the last mode set before the power was turned off.

## REMOTE CONTROL OPERATION

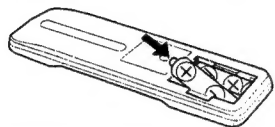
The accessory Remote Control Unit is used to control the amplifier from a convenient distance.

### (1) Inserting the Dry Cell Batteries

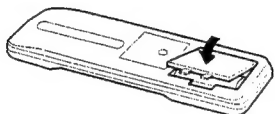
1. Remove the battery cover on the Remote Control Unit.



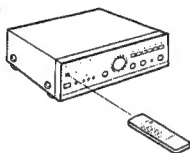
2. Insert two dry cell batteries as shown in the diagram on the battery supply unit.



3. Replace the battery cover.



### (2) Directions for use



### Notes on Battery Usage

- RC-176 uses the size R6P (AA) dry cell batteries.
- The batteries will need to be replaced approximately once a year. This will depend upon how often the Remote Control Unit is used.
- If, in less than a year from the time new batteries were inserted, the Remote Control Unit fails to operate the Amplifier from a near-by position, it is time to replace the batteries.
- Insert the batteries properly, following the polarity diagram inside the battery compartment.
- Batteries are prone to damage and leakage. Therefore:
  - Do not mix new batteries with used ones.
  - Do not mix different types of batteries.
  - Do not jumper opposite poles of the batteries, expose them to heat, break them open, nor expose them to open fire.
- If the batteries have leaked, remove any traces of battery fluid from the battery compartment wiping thoroughly with a dry cloth. Then insert new batteries.

- Operate the Remote Control Unit while pointing it towards the Remote Control Sensor on the Amplifier as shown in the diagram on the left.
- The Remote Control Unit can be used at distances up to about 8 meters in a straight line from the amplifier. This distance will decrease if there are obstructions blocking the infra-red light transmission or if the Remote Control Unit is not directed straight at the amplifier.

### Note on operation

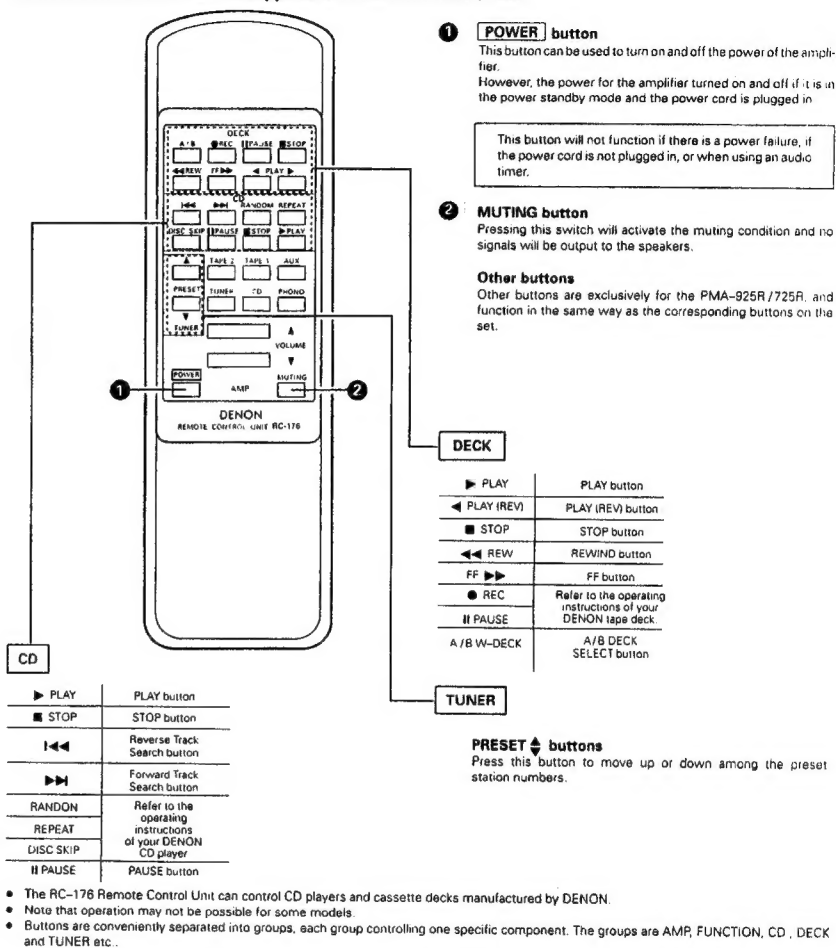
- Do not press the operating buttons on the Amplifier and the Remote Control Unit at the same time. This will cause misoperation.
- Operation of the Remote Control Unit will become less effective or erratic if the infrared Remote Control Sensor on the Amplifier is exposed to strong light or if there are obstructions between the Remote Control Unit and the sensor.
- In case you operate a VCR, TV or other components by remote control, do not operate buttons on two different remote control units at the same time. This will cause misoperation.

Besides being able to operate the PMA-925R/725R amplifier with this Remote Control Unit, you can also operate a DENON cassette deck and CD player from this handy full-system Remote Control Unit.

### Remote control section Full-system Remote Control Unit

The full-system Remote Control Unit operates all major functions of the Amplifier, such as function switching, volume control. But that's not all! The same control pad can also control the major functions of a DENON CD player and cassette deck and tuner when combined with the PMA-925R/725R to create a remarkably ergonomic and versatile DENON system with all the quality sound reproduction that the devoted audiophile expects.

## Remote Control Unit RC-176 supplied with the PMA-925R/725R



For details on operating other components, refer to the operating instructions for the CD player and/or cassette deck.

### CAUTION:

- If the power is turned off with the Remote Control Unit, the set is switched to the power stand-by state. If you are absent for a long period of time, unplug the power cord.
- Only the MUTE/STANDBY LED lights when in the power stand-by mode.
- You may experience erratic operation of the Remote Control Unit if it is operated in fluorescent light and direct sunlight, in particular if this light strikes the Remote Control Sensor on the Amplifier. However, this is not a malfunction, and if this should happen, simply protect the sensor against such light.

Technical Data (typical value)	Technische Daten (typische werte)	Caractéristiques techniques (valeur caractéristique)	PMA-925R / 725R
<b>• POWER AMPLIFIER SECTION</b>  <b>Rated Output Power:</b> *1 Both channel driven (8 $\Omega$ /ohm Load) 20 Hz to 20 kHz, T.H.D. 0.02%/0.05% (4 $\Omega$ /ohm Load) DIN, 1 kHz, T.H.D. 0.7%  *2 Continuous 80W/65W per channel min into 8 $\Omega$ /ohms from 20 Hz to 20 kHz with no more than 0.02%/0.05% total harmonic distortion  <b>Total Harmonic Distortion:</b> 1-3 dB at rated output, 8 $\Omega$ /ohms)  <b>• PRE AMPLIFIER SECTION</b>  <b>Rated Output:</b> (Racout Terminal) <b>Input Sensitivity/</b> <b>Input Impedance:</b> PHONO: CD, TUNER, AUX TAPE-1, TAPE-2  RIAA Deviation: PHONO: Within $\pm 0.3$ dB <b>Maximum Input:</b>  <b>• OVERALL CHARACTERISTICS</b> <b>SN Ratio (IHF A Network):</b>  (input terminals short-circuited)  <b>SOURCE-DIRECT ON</b>  <b>Tone Control Adjustable</b> <b>Range:</b> BASS TREBLE <b>Loudness:</b>  <b>• OTHERS</b> <b>Power Supply</b>  <b>AC Outlets</b> Switched x 2  Unswitched x 1:   <b>Power Consumption</b>  <b>Dimensions x (W) x (H) x (D)</b>   <b>Net Weight</b> <b>REMOTE CONTROL UNIT</b> (RC-176) <b>Remote control system:</b> Infrared pulse system <b>Power supply:</b> 3V DC, Two size R6P ("AA") dry cell batteries <b>External dimensions:</b> <b>Weight:</b>	<b>• LEISTUNGSSTÄRKE VERSTÄRKER</b>  <b>Nenn-Ausgangsleistung:</b> *1 Beide Kanäle betriebsbereit (in 8 $\Omega$ /Ohm) 20 Hz bis 20 kHz, T.H.D. 0.02%/0.05% (in 4 $\Omega$ /Ohm) DIN, 1 kHz, T.H.D. 0.7%  *2 Fortlaufend 80W/65W pro Kanal min. in 8 $\Omega$ /Ohm von 20 Hz bis 20 kHz mit einem Gesamtklirfaktor von nicht mehr als 0.02%/0.05%  <b>Gesamtklirfaktor:</b> 1-3 dB bei Nennausgang, 8 $\Omega$ /Ohm)  <b>• VORVERSTÄRKER</b>  <b>Nenn-Ausgangsleistung:</b> (Aufnahme-Ausgangsbuchse) <b>Eingangsempfindlichkeit/</b> <b>Eingangsimpedanz:</b> PHONO: CD, TUNER, AUX TAPE-1, TAPE-2  <b>Abweichung von der</b> <b>RIAA-Kennlinie: PHONO:</b> Innerhalb $\pm 0.3$ dB <b>Maximaler Eingang:</b>  <b>• GESAMTEIGENSCHAFTEN</b> <b>Signal/Rauschabstand</b> (IHF-A-Weichteil): (Eingänge kurzgeschlossen) <b>SOURCE-DIRECT ON</b>  <b>Klangregelbereich:</b> TIEFEN (BASS) HÖHEN (TREBLE) <b>Gehörliche Lautstärke:</b>  <b>• SONSTIGES</b> <b>Netzspannung und-frequenz</b>  <b>Wechselstrom-Ausgänge</b> Geschaltet x 2  Ungeschaltet x 1:   <b>Leistungsaufnahme</b>  <b>Abmessungen (B) x (H) x (T)</b>   <b>Nettogewicht</b> <b>FERNBEDIENUNGSGERÄT</b> (RC-176) <b>Fernbedienungs-System:</b> Infrarot-Impuls <b>Stromversorgung:</b> 3V Gleichstrom, zwei Trockenzele- Batterien vom format R6P (AA) <b>Außere Abmessungen:</b> <b>Gewicht:</b>	<b>• PARTIE AMPLIFICATEUR</b> <b>DEPUISANCE</b> <b>Puissance nominale:</b> *1 Entraînement deux canaux (charge 8 $\Omega$ /ohms) 20 Hz à 20 kHz, D.H.T. 0.02%/0.05% (charge 4 $\Omega$ /ohms) DIN, 1 kHz, D.H.T. 0.7%  *2 80W/65W en continu par canal sur min. 8 $\Omega$ /ohms de 20 Hz à 20 kHz avec une distorsion harmonique totale de 0.02%/0.05% ou moins.  <b>Distorsion harmonique totale:</b> 1-3 dB à la sortie nominale, 8 $\Omega$ /ohms)  <b>• PRE-AMPLI</b> <b>Puissance nominale:</b> (Borne de sortie d'enregistrement) <b>Sensibilité d'entrée/</b> <b>Impédance d'entrée:</b> PHONO: CD, TUNER, AUX TAPE-1, TAPE-2  <b>Variation RIAA:</b> PHONO: Int. $\pm 0.3$ dB <b>Entrée max.:</b> MM 2.5 mV/47 $\Omega$ /ohm MC 200 $\mu$ V/100 $\Omega$ /ohm 150 mV/47 $\Omega$ /ohm  <b>PHONO:</b> MM: 94 dB (at 5 mV input) MC: 76 dB (at 0.5 mV input) CD, TUNER, AUX TAPE-1, TAPE-2: 107 dB  100 Hz $\pm 8$ dB 10 kHz $\pm 8$ dB 100 Hz $\pm 7$ dB 10 kHz $\pm 6$ dB  AC230V/60 Hz (For Europe, Asia and Hong Kong models) AC120V/60 Hz (For U.S.A., Canada, and Taiwan R.O.C. models)  100W (Total) (For Europe (except the U.K.), Asia and Hong Kong models) 120W (Total) (For U.S.A., Canada, and Taiwan R.O.C. models) 100W (For Europe (except the U.K.), Asia and Hong Kong models) 240W (For U.S.A., Canada, and Taiwan R.O.C. models) 230W/210W (IEC) 4 2A/3.6A (U.S.A. and Canada models) 434(W) x 182(H) x 346(D)mm PMA-925R (17-3/32" x 7-3/8" x 13-5/8") 434(W) x 142(H) x 346(D)mm PMA-725R (17-3/32" x 5-19/32" x 13-5/8") 11 kg (24 lbs 400) / 9.6 kg (21 lbs 300)  55(W) x 194(H) x 181(D)mm 2-11/16" x 7-41/64" x 45/64" 100 g (about 3.5 oz) (including batteries)	  80W + 80W/65W + 65W  130W + 130W/100W + 100W  80W/65W  0.007%  150 mV  MM 2.5 mV/47 $\Omega$ /ohm MC 200 $\mu$ V/100 $\Omega$ /ohm 150 mV/47 $\Omega$ /ohm  20 Hz ~ 20 kHz PHONO MM 160 mV/100 $\Omega$ /ohm MC 12mV/47 $\Omega$ /ohm  PHONO: MM: 94 dB (at 5 mV input) MC: 76 dB (at 0.5 mV input) CD, TUNER, AUX TAPE-1, TAPE-2: 107 dB  100 Hz $\pm 8$ dB 10 kHz $\pm 8$ dB 100 Hz $\pm 7$ dB 10 kHz $\pm 6$ dB  AC230V/60 Hz (For Europe, Asia and Hong Kong models) AC120V/60 Hz (For U.S.A., Canada, and Taiwan R.O.C. models)  100W (Total) (For Europe (except the U.K.), Asia and Hong Kong models) 120W (Total) (For U.S.A., Canada, and Taiwan R.O.C. models) 100W (For Europe (except the U.K.), Asia and Hong Kong models) 240W (For U.S.A., Canada, and Taiwan R.O.C. models) 230W/210W (IEC) 4 2A/3.6A (U.S.A. and Canada models) 434(W) x 182(H) x 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Note: \*1 For Europe, Asia and Hong Kong Hinweis: \*1 Für Europa, Asien und Hong Kong Note: \*1 Pour Europe, Asie et Hong Kong  
 \*2 For U.S.A., Canada, and Taiwan R.O.C. \*2 Für U.S.A., Kanada, und Taiwan R.O.C. \*2 Pour U.S.A., Canada, et Taiwan R.O.C.

- Specifications and contents are subject to change without notice for purposes of improvement.
- Änderungen des Inhalts und der technischen Daten zum Zwecke der Verbesserung vorbehalten.
- Spécifications et contenu sont sujets à modification sans préavis.

#### ENGLISH

Please check to make sure the following items are included with the main unit in the carton:

- (1) Operating Instructions ..... 1
- (2) Remote Control Unit (RC-176) ..... 1
- (3) Batteries R6P (AA) ..... 2

#### DEUTSCH

Bitte überprüfen Sie, ob die folgenden Teile vollständig in der Verpackung enthalten sind:

- (1) Bedienungsanleitung ..... 1
- (2) Fernbedienung (RC-176) ..... 1
- (3) Batterien vom Typ R6P (AA) ..... 2

#### FRANCAIS

Veuillez contrôler que les articles suivants sont bien joints à l'appareil principal dans le carton:

- (1) Mode d'emploi ..... 1
- (2) Unité de télécommande (RC-176) ..... 1
- (3) Piles R6P (AA) ..... 2

#### ITALIANO

Controllare che le parti seguenti si trovino imballate con l'apparecchio nella scatola di spedizione.

- (1) Libretto delle istruzioni ..... 1
- (2) Telecomando (RC-176) ..... 1
- (3) Batterie R6P (AA) ..... 2

#### MEMO:

#### ESPAÑOL

Por favor verifique asegurándose de que los siguientes artículos son empacados en la caja pero separados de la unidad principal.

- (1) Manual de instrucciones ..... 1
- (2) Unidad de control remoto (RC-176) ..... 1
- (3) Pilas R6P (AA) ..... 2

#### NEDERLANDS

Kontroleer of de volgende accessoires bij het hoofdtoestel in de doos zijn verpakt:

- (1) Gebruiksaanwijzing ..... 1
- (2) Afstandsbediening (RC-176) ..... 1
- (3) Batterijen R6P (AA) ..... 2

#### SVENSKA

Kontrollera att följande, förutom huvudapparaten, finns med i kartongen.

- (1) Bruksanvisning ..... 1
- (2) Fjärrkontroll (RC-176) ..... 1
- (3) Batterier R6P (AA) ..... 2

#### PORTUGUÊS

Certifique-se de que as seguintes peças estão incluídas na embalagem fora da unidade principal:

- (1) Instruções de operação ..... 1
- (2) Unidade de controle remoto (RC-176) ..... 1
- (3) Baterias R6P (AA) ..... 2

#### 中文

下列物品隨主機一起包裝於紙箱內，請查對：

- (1) 操作說明書 ..... 1
- (2) 遙控器 (RC-176) ..... 1
- (3) 電池 R6P (AA) ..... 2